

COMPUTER MEMORY ORGANIZATION

Publication number: WO9843167

Publication date: 1998-10-01

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Classification:

- **international:** G06F9/48; G06F11/10; G06F12/02; G06Q20/00; G06T9/00; G07F7/00; G07F7/10; H04N5/00; H04N7/16; H04N7/167; H04N7/173; H04N7/26; H04N17/00; G06F11/14; H04N5/44; G06F9/46; G06F11/10; G06F12/02; G06Q20/00; G06T9/00; G07F7/00; G07F7/10; H04N5/00; H04N7/16; H04N7/167; H04N7/173; H04N7/26; H04N17/00; G06F11/14; H04N5/44; (IPC1-7): G06F12/02

- **europen:** G06F9/46C4; G06F11/10; G06F12/02D2; G06Q20/00K2B; G06T9/00T; G07F7/00C; G07F7/10D4E; G07F7/10D10; H04N5/00M; H04N5/00M4; H04N5/00M8; H04N7/16E2; H04N7/167D; H04N7/173B2; H04N17/00N

Application number: WO1998EP01605 19980319

Priority number(s): EP19970400650 19970321; EP19970121741 19971210; WO1997EP02112 19970425

Also published as:

 TR9902269T (T2)

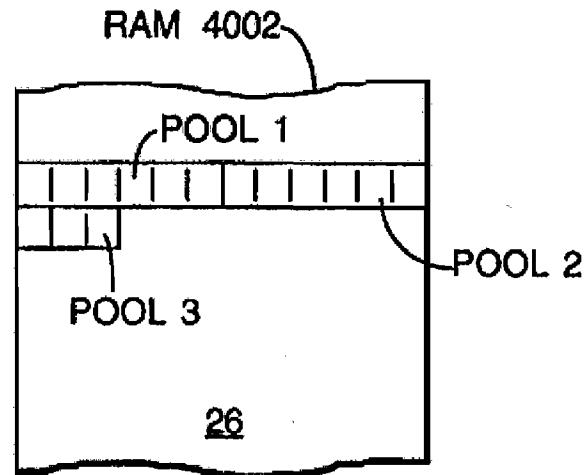
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Abstract of WO9843167

In a memory in a computer system, a plurality of buffer zones are defined by a buffer management system. A command defines a number NP of pools of buffers in a public buffer zone, and for each pool, a pool size PS of the number of buffers in the pool and the size BS of the buffers in that pool. The buffer management system is initialized to store, for each buffer zone, the buffer sizes and to cumulate and store the pool sizes. To address a buffer, the buffer management system determines the address of the start of the buffer from the desired pool and buffer numbers, using the stored information. The buffer management system also defines a header at the beginning of each buffer. Checking for out-of-limits conditions can also be provided. Various private buffer zones allocated to respective different clients, can be similarly defined.



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